



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

**Yoshihiro SAKAI et al.**

Serial Number: **09/581,818**

Group Art Unit: **2882**

Filed: **June 19, 2000**

Examiner: **C. Kao**

For: **ENCODER**

**AMENDMENT UNDER 37 CFR §1.111**

Commissioner for Patents  
Washington, D.C. 20231

**September 26, 2002**

Sir:

In response to the Office Action dated July 25, 2002, please amend the above-identified patent application as follows:

**IN THE CLAIMS:**

**Please amend claim 2 as follows:**

2. (Twice Amended) An encoder having a code pattern provided on a rotary disk, which detects the rotation speed and rotational position of the rotary disk by receiving light coming from a light emitting element and transmitted through or reflected from said code pattern by a light receiving element; wherein a fixed slit which is disposed between said rotary disk and said light receiving element so that a plurality of light receiving windows through which light reflected from or transmitted through the code pattern passes is disposed so as to have a difference in phase at different positions in the radial direction of the rotary disk; the length of

10/10  
10-3-02  
RECEIVED  
SEP 27 2002  
TECHNOLOGY CENTER 2882

Sub  
21